

MICROTEK
Take-it 350

User's Manual
and
Camera Operation



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November 2000

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Important

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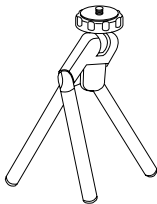
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Package Contents



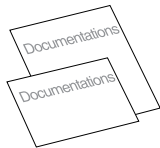
Take-it 350
Digital Camera



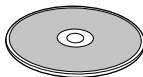
Mini-Tripod



Special USB cable



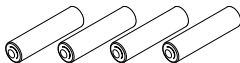
Warranty and Quick
Reference Cards



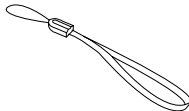
Digital Camera CD-ROM
(Contains digital camera driver,
software, and user's manual)



Camera Pouch



4 AAA Batteries
(Alkaline is recommended)

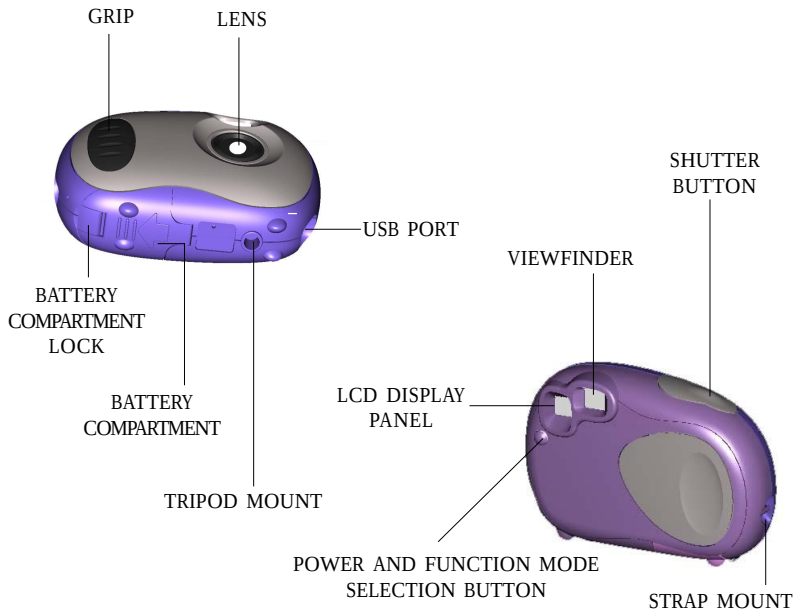


Camera Safety Strap

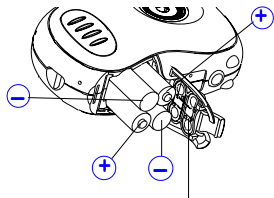
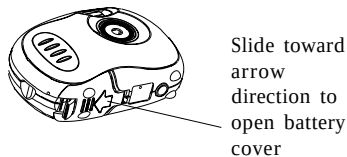
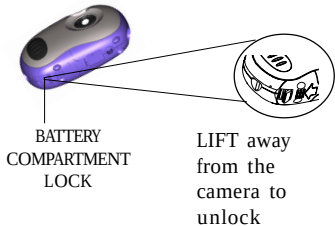
Features

- **Compact and lightweight**
Size: 102 x 71 x 35 mm Weight: 84g (w/o batteries)
- **Easy to operate**
Fixed focus with only two-button (mode select and shutter) operation
- **Three choices of picture taking modes**
Continuous shooting mode (26 or 107 shots maximum)
Self-Timer mode (10 seconds delay)
VGA (26 shots) QVGA (107 shots) image recording mode (640x480 & 320 x 240 pixels respectively)
- **AVI Image Conversion**
Easily transfer "Still" images into "Moving pictures" using the AVI (Audio Video Interlead) format application.
- **Instant image frames erasure**
All images can be cleared instantly to start a new picture taking session.
- **Low power consumption with auto energy-save mode**
New batteries can take up to 1000 shots. Camera automatically enters into "sleep" (energy-saving) mode when it remains inactive for 30 seconds.
- **Supports USB interface**
With USB, download of images to your PC is accomplished at higher speed.
- **Software package bundle**
Adobe PhotoDeluxe
Ulead Photo Explorer 6
EyeStar Mail Microtek Edition (PC camera software)
Trellix Web Microtek Edition
Adobe Acrobat Reader

Camera Components



Getting Ready



A. Loading the Battery

(4 AAA size batteries, Alkaline recommended)

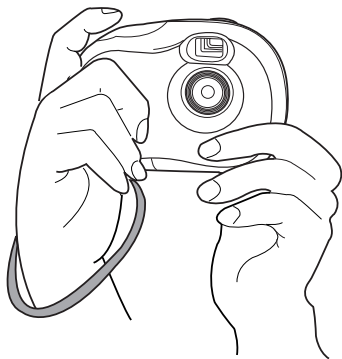
- 1 Unlock the battery compartment cover by lifting the lock toward "OPEN" position.
- 2 Slide compartment cover outward (as indicated by the arrow shown on top of the cover) and open the cover.
- 3 Insert each of the 4 AAA batteries into its chambers making sure that the positive (+) and negative (-) ends are properly oriented with the polarity indicated on top of each chamber and at the back of the cover.
- 4 Close and slide the battery compartment cover back to its original position and lock the cover.

WARNING: When the LCD Panel display starts to blink, it indicates that the batteries power is low. Stop taking pictures and transfer the images data to your PC within a week before the batteries completely lose its power. Otherwise, all the images will be erased.

B. Basic Picture Taking Operation

NOTE: The camera is designed without a power switch. It uses energy-saving or "sleep" mode to control its power. If the camera is off, press the Function Mode button to turn the camera back on.

- 1 With the camera strap looped around your wrist, hold the camera by its grip. Look through the viewfinder and set up your picture. Adjust size of your composition by increasing or decreasing distance between camera and subject but not nearer than one meter.



- 2 Press the Shutter button to take a picture of your subject. A short beep sound emits at each click of the shutter to confirm that a shot has been taken and the camera is ready to take the next picture.

NOTES: 26 or 107 shots mode is available with erase capability (see next page for details). After each shot, the LCD Panel will show the number of remaining shots available.

For the  mode, the LCD screen will only show "99" pictures. However, when you start to take the first 8 shots -- the no. of pictures taken (in between these 8 shots) will not be deducted from "99" until you take the 9th shot.

WARNING: A warning beep (longer and lower tone compared to normal beep) will emit if exposure is too dark for a normal picture taking. No image is taken when this condition occurs.

Other Modes of Operation

A. 107 Shots Mode

This mode of operation allows you to take 107 shots of lower-resolution images in (320 x 240) QVGA format. To set your camera into 107 Shot mode-

- 1 Repeatedly press the Function Mode button until the "**Lr**" icon is displayed on the LCD Display Panel.
- 2 Press the Shutter button and the "**Lr**" icon becomes "**99**" which would indicate that the 106 Shot mode is ready.

*For the **Lr** mode, the LCD screen will only show "99" pictures. However, when you start to take the first 8 shots -- the no. of pictures taken (in between these 8 shots) will not be deducted from "99" until you take the 9th shot.*

NOTE: Switching from 107 pictures mode to 26 pictures modes will not erase any images in the camera. If you attempt to continue shooting at the end of 107th shot, a repetitive beep will emit when you press the Shutter button.

107 Shots mode is ready only when the LCD Panel displays the "**99**" icon



When the "**Lr**" icon appears on the LCD Panel, press Shutter to display the "**99**" icon

Repeatedly press this Function Mode button until the "**Lr**" icon is displayed

B. 26 Shots Mode

This mode of operation allows you to take 26 shots of images at higher resolution (640 x 480) VGA format. To set your camera back to 26 Shot mode after operating in 106 shots mode-

- 1 Repeatedly press the Function Mode button until the "**Hr**" icon is displayed on the LCD Display Panel.
- 2 Press the Shutter button and the "**Hr**" icon becomes "**26**" which would indicate that the 26 Shot mode is ready.

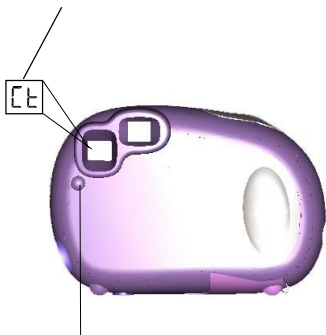
WARNING: Switching from 26 pictures mode to 107 pictures modes will not erase any images in the camera.

If you attempt to continue shooting at the end of 26th shot, a repetitive beep will emit when you press the Shutter button.



C. Continuous Shooting Mode

Continuous Shooting mode is ON when this LCD Panel displays the "**CL**" icon



Repeatedly press this Function Mode button until the Continuous Shooting mode icon is displayed

This mode of operation allows you to take multiple frames of images when holding down the Shutter button while aiming at your subject. A maximum of 26 or 107 shots can be taken depending on which shooting mode you are in. Continuous shooting under 26 Shots mode takes about 1.5 seconds to fully consume the 26 frames, while it takes about 6.5 seconds under 107 Shots mode. If you release the Shutter midway, only part of the available frames will be loaded with images.

To set camera into Continuous Shooting mode, repeatedly press the Function Mode select button until the "**CL**" icon is displayed on the LCD Display Panel.

D. Self-Timer Mode

The Self-Timer mode of operation allows a 10 seconds shutter release delay after pressing the Shutter button. Mount the camera in a tripod when operating under Self-Timer mode.

- 1 Set camera into Self-Timer mode by repeatedly pressing the Function Mode select button until the "**SE**" icon is displayed on the LCD Display Panel.
- 2 Then press the Shutter to start the 10 second countdown.

Self-Timer mode is ON
when this LCD Panel
displays the
"**SE**" icon

SE

Press the Shutter button to
start the delay countdown

Repeatedly press this
Function Mode button
until the Self-Timer
mode icon is displayed

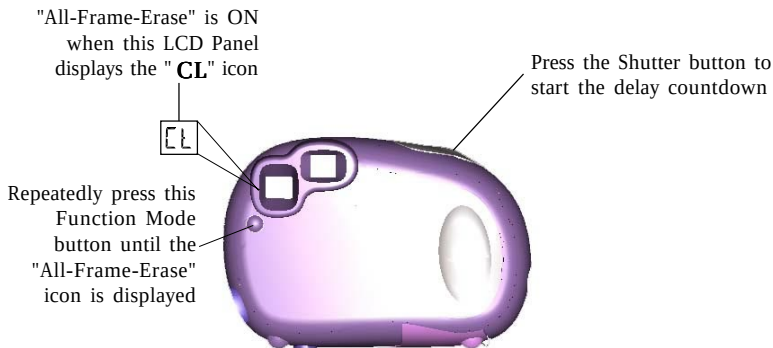


Erasing All Images from Camera

Whenever you wish to discard the images you have already taken, you can erase them from the camera. Take note that this erase feature functions only as "All-Frame-Erase." No partial erasure is allowed.

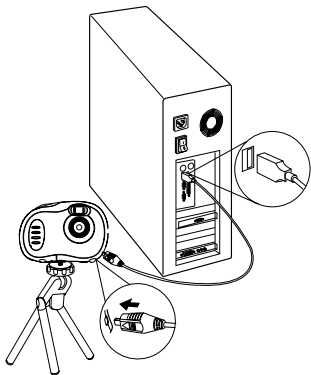
- 1 Enable the "All-Frame-Erase" feature by repeatedly pressing the Function Mode select button until the "**CL**" icon is displayed on the LCD Display Panel.
- 2 Press the Shutter button twice to start erasing all images in the camera.

NOTE: If you do not press the Shutter a second time within 5 seconds, the erase function is aborted.



Connecting the Camera to PC

NOTE: It is assumed that you have already installed the bundled software into your computer. If not, install software as instructed in the section on "Utility Software Installation" of this manual.



To transfer (download) the images data from the camera to your PC, connect the camera to your PC with the supplied USB cable.

- 1 Insert the smaller terminal of the USB cable into the camera's USB port.
- 2 Plug the other end of the USB cable into the USB port of your computer.
- 3 Perform downloads to your PC by referring to the section on *Downloading images* later in this manual.
- 4 Operate the camera as *web camera* by referring to the EyeStar Mail user's manual provided in the Take-it 350 Digital Camera utility CD.

Utility Software Installation

The Utility CD that accompanies your camera contains the Take-it 350 Digital Camera Driver bundled with valuable image-editing software.

Click this button to start camera driver installation

Click this icon to view the User's Manual



A. Installing Camera Driver

- 1 Insert the utility CD into the CD-ROM drive.

NOTE: If the installer screen does not automatically display, click Start button, then click Run from Windows Start menu, and execute the file cdsetup.exe from the CD.

- 2 When the **Take-it 350 Software Installer** screen appears, click the **Camera Driver** install button from the Installer screen. Follow the on-line instructions to complete the driver installation.

NOTE: You may be prompted to restart the computer at this point. Do not restart your computer until all the software has been installed.

- 3 Connect one end of the USB cable to your PC and the other end to your Take-it 350's USB port.
- 4 Install all the other software as set on the next page.

Click any of these buttons to start installing each software component.



Click any of these icons to view the user's manual

Click "EXIT" to close the Installer program.

B. Installing Other Bundled Software

- 1 From the **Take-it 350 Software Installer** screen, click each software in the order that it appears on the screen, follow the on-line instructions to complete the installation of all software components:

Adobe PhotoDeluxe

This is your Image-editing software for creating digital photo albums.

Ulead Photo Explorer 6

This is your Image-editing software that includes a free Photo-sharing site to instantly upload your images to the Web.

EyeStar Mail Microtek Edition

This is your PC and/or Web Camera software.

Trellix Web Microtek Edition

Easily create, publish, and update your own Web site.

Adobe Acrobat Reader

Software for reading and printing manuals on your CD-ROM.

- 2 A desktop shortcut of the program is automatically created after successful installation. **Restart** your computer when you have finished installing all of the above software.

Using the Take-it 350 as a Digital Camera

The **Take-it 350 Digital Camera** interface will be launched, when you start downloading images from your digital camera to any of your image-editing software.



Zoom

Click the **Zoom** button to enable/disable image interpolation application for downloaded images.

Acquire

Double-click the image that you wish to send and process to an image-editing software, and then click the **Acquire** button.

AVI Creator

Click the **AVI Creator** button to transfer and/or download “Still” images from your Take-it 350 Camera and convert it into “Moving Pictures” through the AVI (Audio Video Interleaved format application.

Exit

Click the **Exit** button to close/quit Take-it 350 Digital Camera Interface.

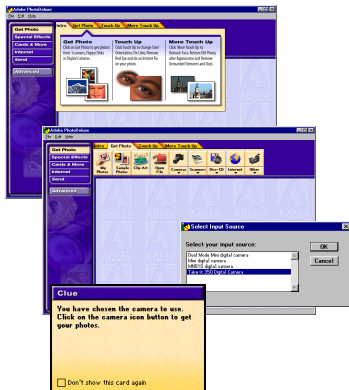
Acquire All

Click the **Acquire All** button to send and process all the thumbnail images on the panel to a selected application.

Download

Click the **Download** button to transfer and/or download another set of images from your Take-it 350 Camera. Existing images will be overwritten.

Downloading Images to your PC



For more details on how to enhance your images, please refer to the Help menu of **Adobe PhotoDeluxe**.

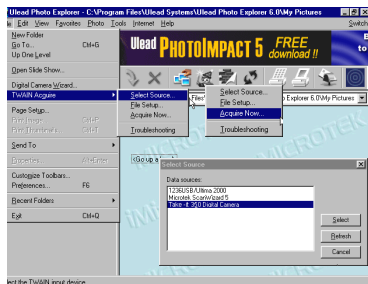
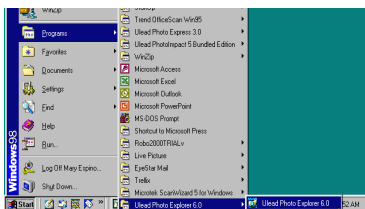
Using Adobe PhotoDeluxe

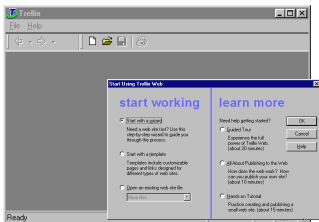
1. Launch the **Adobe PhotoDeluxe**.
You can also use any application with a TWAIN acquire menu item. (e.g. Photoshop, etc.)
2. Click the **Get Photo** button; click the **Get Photo** tab, and then click the bottom half of the **Camera** button.
3. From the **Select Data source** box, choose the **Take-it 350** from the list of sources, and then click **OK**.
4. Click the **Camera** icon/button. The Digital Camera interface appears. Double-click any of the thumbnail image(s) you wish to transfer to **Adobe PhotoDeluxe**.
- 5 Click **Exit** when you are ready to return to **Photo Deluxe** to further enhance the selected image(s).

Using Ulead Photo Explorer 6

- 1 Launch **Photo Explorer** by doing the following in succession: **Start, Programs -- Photo Explorer.**
- 2 From the Menu Bar, select **File, TWAIN Acquire, Select Source**, and then choose **Take-it 350 Digital Camera** from the **Select Source** dialog box.
- 3 From the **File** menu, choose **TWAIN Acquire**, then click **Acquire now** to start acquiring images from your camera.
- 4 The **Take-it 350 Digital Camera** interface appears. Double-click the image(s) you wish to transfer to **Photo Explorer** from the panel.
- 5 Click **Exit** when you are ready to return to **Photo Explorer** to further enhance the selected images.

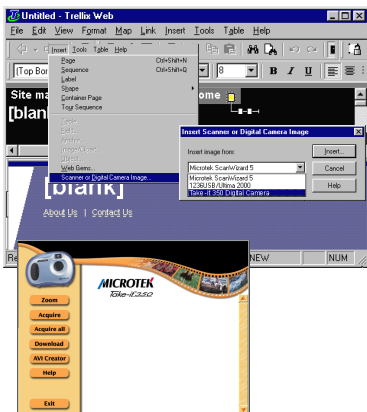
For more details on how to enhance and incorporate special effects/filters to your images, refer to **Photo Explorer's Help** menu.





Using Trellix Web Microtek Edition

- 1 Launch **Trellix Web** by doing the following in succession: **Start** button, **Programs -- Trellix Web**.
- 2 The **Start Using Trellix Web** dialog box appears, select your preferred option for your web page from the dialog box, click **OK**, and then follow the instructions on your screen.
- 3 From the **Trellix Web** panel, click the section of the area where you want to position the image, choose the **Insert** menu, and then select **Scanner or Digital Camera Image**.
- 4 The **Insert Scanner/Digital Camera Image** dialog box appears, choose **Take-it 350 Digital Camera**, and then click the **Insert** button to start downloading the images from your camera to your **Take-it 350 Digital Camera** interface.
- 5 Double-click the images from the thumbnail to transfer the selected images to your **Trellix** web page.



- 6 Click **Exit** when you are ready to return to the **Trellix Web** screen.
For further details, please refer to **Trellix Web's** Help menu.

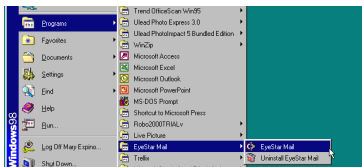
Using the Take-it 350 as a PC/Web Cam

NOTE: The **EyeStar Mail** is required only when the camera is used as a PC camera.

The **EyeStar Mail** is a complete consumer video package for recording audio and video clips that you can send to your family and friends. This package includes all the software you will need for capturing, creating personalized cards, and sending messages on-line.

A. Select Camera Source

- 1 Launch **EyeStar Mail** by:
 - a) Double-clicking the **EyeStar Mail** icon on your desktop; or
 - b) From **Windows Taskbar**, double-click the following in succession: **Start, Programs, EyeStar Mail, EyeStar Mail**.
- 2 When the **EyeStar Mail** panel appears, click the **video** options button, and then select **Take-it 350 Digital Camera** from the **camera source list**.
- 3 To **send a video mail**, follow the steps as described on the next page.

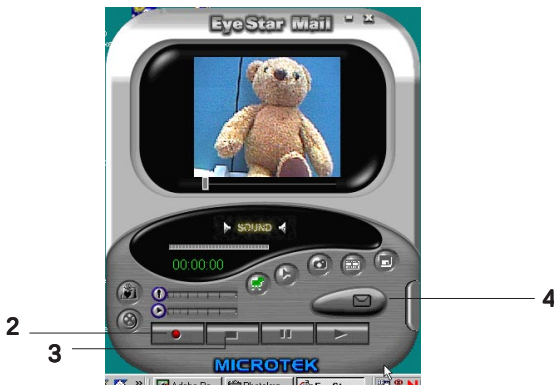


CAUTION: Be sure to download images to any image-editing software (Ulead Photo Express, Ulead PhotoExplorer, Trellix Web etc.) from the camera before using it as a PC/Web cam under EyeStar Mail. Otherwise, you will lose all the images you have taken.

B. Send a Video Mail

- 1 Launch your **EyeStar Mail**, and adjust your camera to the desired view that you want to capture.
- 2 Click **Record** to start capturing video and audio data.
- 3 Click **Stop** to end recording.
- 4 Click **Send Mail** to run the **Send Mail** program with the captured data in order to automatically attach the video image to your E-mail message.

For a more detailed operation and information on **EyeStar Mail**, please refer to the **User's manual** (Adobe .pdf format) on your Microtek CD-ROM.



Appendices

Appendix A:

Take-it 350 Digital Camera Specifications

Platform(s): PC

Sensor: 1/3" CMOS

Resolution: 350K pixels

Interface(s): USB

Indicator: 2 Digit LCD

Dimensions in mm: 102 x 71 x 35 mm

Weight with battery: 84 g (without batteries)

Lens type: Fixed Lens

View angle: 56.5°

Distance: 50 - INF cm

Memory and Storage: 26 Pictures (VGA) or 107 Pictures (QVGA)

Memory type: Internal 8MB SDRAM

Battery: AAA x 4 (Alkaline batteries recommended)

Driver: TWAIN and WDM (Windows 98, 2000, and Me)

Appendix B:

Federal Communications Commission (FCC) Statement

This equipment (Trade name: Digital Camera, Model: MN-350M) has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Appendix C:

Declaration of Conformity

Supplier: Name: Microtek International Inc.

Address: No. 6, Industry East Road 3
Science-based East Road 3
Hsinchu 30077, Taiwan

Declares that:

Type of Equipment: Digital Camera

Model Number: MN-350M

Complies with the following:

Standards	Directive
EN 50081-1/1992	EN 55022/B(1997) EN 61000-3-2/1995 EN 61000-3-3/1995
EN 50082-1/1997	EN 61000-4-2/1995 EN61000-4-4/1995 EN61000-4-5/1997 EN61000-4-6/1997 EN61000-4-11/1997 ENV50204/1995

Person responsible for making this declaration:

C.T. Youe
(Name, Surname)
R & D Center, Vice President
(Position/Title)
Hsinchu May 5, 2000
(Place) (Date)

C.T. Youe
(Legal Signature)